The comparison of results of determinations of measurements for such an ellipsoid show very little variation.

The study of the shape of the earth remains one of the basic scientific problems of higher geodesy. The determination of the dimensions of the earth's ellipsoid with greater accuracy is the first problem. The second is the accurate determination of deviations of the shape of the geoid from the terrestrial ellipsoid.

The article refers to a coordinated geodetic program of astrogeodetic and gravimetric work to be undertaken in the near future by the USSR, China, and other Asiatic countries.

SUM. 1305

IZDIEV, A.A.

PHASE I BOOK EXPLOITATION 497

Akademiya nauk SSSR. Komitet po geodezii i geofizike

Mezhdunarodnaya assotsiatsiya geodezii; tezisy dokladov na XI General'noy assambleye Mezhdunarodnogo geodezicheskogo i geofizicheskogo soyuza (The International Association of Geodesy; Abstracts of the Reports at the XI General Assembly of the International Union of Geodesy and Geophysics) Moscow, Izd-vo AN SSSR, 1957. 63 p. 1,500 copies printed.

PURPOSE: The purpose of this booklet is the dissemination of abstracts of the reports presented by the Soviet members of the International Association of Geodesy at the XI General Assembly of the International Union of Geodesy and Geophysics.

COVERAGE: This booklet, with full English translation of the Russian text, published by The National Committee for Geodesy and

Card 1/12

3

coefficients after a lapse of years remain practically constant. The use of such a pendulum at first order stations, even under very adverse climatic conditions and transportation difficulties, is well justified.

Izotov, A.A. The Reference Ellipsoid and the Basic Geodetic Data Used in USSR

9

The reduction of triangulation to sea level and the subsequent development of it on the surface of the geoid introduce considerable distortions into the main geodetic framework. The method of projecting triangulation directly on the surface of the reference ellipsoid developed and adapted in USSR is free from such drawbacks. Krasovskiy's ellipsoid derived from measurements in USSR, W. Europe and USA offers a close enough figure of the Earth, applicable to the continents of the Northern hemisphere only.

Card 3/~~12~~ 3

"The Present Status and Problems in the Determination of the Shape of the Earth," by A. A. Izotov, Moscow, Vermessungstechnik, No 4, Apr 57, pp 73-78

The report summarizes the work done by US, Soviet, British, and French geodesists in determining the figure of the geoid, gives comparative figures for Soviet (Central Scientific Research Institute for Geodesy, Aerial Photography and Cartography) and US determinations of the geoid in the area of North America, and discusses briefly the methods used in obtaining data on the figure of the earth. (U)

SUM. 1374

IZOTOV, A.A., doktor tekhnicheskikh nauk.

General formulas for plumb line and Laplace azimuth deflections.
Geod. i kart. no.6:3-11 Je '57. (MLRA 10:8)
(Geodesy)

"The Achievements of Soviet Science in the Geodesy."

paper presented at the XIth General Assembly of the Int'l. Union of Geodesy and Geophysics, Tornoto, Canada, 3-14 Sept 1957. (Izv. Ak Nauk SSSR - Ser Geog. 1958, No. 2, pp 3-8 [USSR]).

IZOTOV, A.A., doktor tekhn. nauk.

Eleventh General Assembly of the International Geodetic Association.
Geod. i kart. no.4:45-57 Ap '58. (MIRA 11:5)
(Toronto--Geodesy--Congresses)

AUTHOR: Izotov, A.A., Doctor of Technical Sciences 6-58-5-2/17

TITLE: On the Quadrangle-Method in Geodesy (O metode chetyrekhugol'nikov v geodezii)

PERIODICAL: Geodeziya i Kartografiya, 1958, Nr 5, pp. 7-10 (USSR)

ABSTRACT: In the course of the past 10 years Candidate of Technical Sciences I.V.Zubritskiy published several papers (Refs 1-6), in which he repeatedly makes the same suggestion, i.e. to build up the basic networks from quadrangles without diagonals. A short time ago he united all these papers in his dissertation for the degree of Doctor of Technical Sciences, thus giving a definite character to his suggestion, which is commented upon by the author of the present article. First, the nature of the method itself as suggested by the author is explained, and it is shown that as regards questions of equalization and evaluation of the accuracy of series (from quadrangles) Zubritskiy's work contains no new theoretical or methodical theses. Some of his statements are dealt with in greater detail in order to show that they do not justify the application of the quadrangle method. His method is far-fetched and the process suggested for the calculation of

Card 1/2

On the Quadrangle-Method in Geodesy

6-58-5-2/17

the side of a quadrangle has not been well thought-out. There are 1 figure, and 7 references, which are Soviet.

1. Geodesics 2. Mathematics

Card 2/2

AUTHOR: Izotov, A. A. SOV/6-58-7-14/17

TITLE: Letter to the Editors (Pis'mo v redaktsiyu)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 7, p. 7c (USSR)

ABSTRACT: This is a letter to the editor by the author of the article on "The 11th General Meeting of the International Association of Surveyors", published in the periodical Geodeziya i kartografiya, 1958, Nr 4. In this article the author remarked that "the suggestion by Graaff-Hanter (Graaff-Khanter) agrees with the method proposed by M. S. Molodenskiy of studying the physical shape of the earth, and that, however, according to this method the problem is solved in another way." Graaf-Hanter proceeds from the ordinary classic l formula by Stokes (Stoks), although he has in view the utilization of the particular anomalies of the gravitational force corresponding to a certain leveling of the earth's surface. The theory of studying the shape of the physical surface of the globedeveloped by M. S. Molodenskiy is based upon an application of a generalized formula of a Stokes type which was deduced by him. This equation also requires a certain leveling

Card 1/2

of the earth's surface. This can, however, be obtained according to the required accuracy of the solution under the condition of arbitrary small and neglectable alterations of the gravitational field of the earth and it is not connected with the introduction of special reductions of the gravitational force. Hence these conclusions practically characterize the unchanged shape of the real globe. The author wants to correct these facts, as in his article he did not realize the conclusions which can be drawn from either method.

1. Geophysical surveying—Theory

Card 2/2

bounds of practical applicability of the quadrangular method without diagonals. However, it is evident that traversing with the application of optical range finders is the most [illegible] without diagonals. There are 3 Soviet references.

Card 1/1

3 (4)

AUTHOR: Izotov, A. A., Doctor of Technical Sciences SOV/6-59-11-4/21

TITLE: On the Problem of Standard Bases

PERIODICAL: Geodeziya i kartografiya, 1959, Nr 11, pp 13-15 (USSR)

ABSTRACT: It is desirable that the relative fluctuation in the scale of the triangulation base lengths in different countries should not exceed 1 : 1,000,000. The problem, whether the standard bases serve their purpose, is investigated along with the question as to whether they would be of help in reducing the triangulation of various countries to a one length-scale. Therefore the author investigated the relation between the errors of measurements of the standard bases and the errors of measurements of the triangulation bases. He proves that the use of standard bases is justified only with the following conditions prevailing: (1) when their initial or standardization length was determined with a high degree of accuracy and does not change after some time, (2) when the standard bases are measured with calibrated wires of bands causing negligibly small casual errors, and (3) when measuring of triangulation bases is not accompanied by considerable systematic errors due to different measuring standards.

Card 1/2

SUDAKOV, S.G.; ALEKSANDROV, T.F.; BULANOV, A.I.; DURNEV, A.I.; YELISEYEV, S.V.; ZAKATOV, P.S.; IZOTOV, A.A.; KARLOV, G.M.; KUZ'MIN, B.S.; KUKUSHKIN, A.D.; KOLUPAYEV, A.P.; KOZLOVA, Ye.A.; LARIN, B.A.; LARIN, D.A.; LARIN, B.A.; LITVINOV, B.A.; MAZAYEV, A.V.; PELLINEN, L.P.; PETROV, A.I.; SOLOV'YEV, A.I.; TOMILIN, A.F.; URALOV, S.S.; USPENSKIY, M.S.; FOMIN, M.P.; SHISHKIN, V.N.; SHCHEGLOV, A.P.; SUDAKOV, S.G., otv. red.; KOMARKOVA, L.M., red. izd-va; SUNGUROV, V.S., tekhn. red.

[Instruction concerning the building-up of a state geodetic network in the U.S.S.R.] Instruktsiia o postroenii gosudarstvennoi geodezicheskoi seti Soiuza SSR; obiazatel'na dlia vsekh vedomstv i uchrezhdenii, proizvodiashchikh gosudarstvennye geodezicheskie seti. Moskva, Izd-vo geodez. lit-ry, 1961. 459 p. (MIRA 15:6)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.

(Geodesy)

S/035/62/000/007/065/083
A001/A101

AUTHOR: Izotov, A. A.

TITLE: The present state and tasks of geodesy

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 7, 1962, 6, abstract 7G32 ("Tr. 3-go s"yezda Vses. astron.-geod. o-va, 1960", Moscow, AN SSSR, 1962, 67 - 72)

TEXT: The author points out that there is no uniformity in various countries either in the system of construction of principal triangulation or in methods of its mathematical processing. Although at present the accuracy of triangulations meets requirements of science and practice, stronger demands are possible in the future. Therefore, it is necessary to improve methods and means of performing main geodetic operations and of processing astronomic-geodetic networks. In connection with emergence of new measurement means, it is noted that best results can be achieved by an expedient combination of old and new means. Methods and means of geodetic astronomy and astrometry should be further improved. Precise data on the shape, size and gravity field of the Earth are necessary for

Card 1/2

MARTYNOV, D.Ya., prof., otv. red.; DURNEV, A.I., red.; IZOTOV, A.A., red.; POPOV, P.I., red.; FEDYNSKIY, V.V., red.; BRONSHTEN, V.A., red.; RAKHLIN, I.Ye., red.izd-va; LAUT, V.G., tekhn. red.

[Transactions of the Congress of the All-Union Astronomical and Geodetic Society] Trudy tret'yego s"ezda Vsesoyuznogo astronomo-geodezicheskogo obshchestva. Moskva, Izd-vo Akad. nauk SSSR, 1962. 257 p. (MIRA 15:2)

1. S"yezd Vsesoyuznogo astronomo-geodezicheskogo obshchestva, 3rd, Kiev, 1960. 2. Prezident Vsesoyuznogo astronomo-geodezicheskogo obshchestva(for Martynov).

(Astronomy—Congresses) (Geodesy—Congresses)

IZOTOV, A.A.; BULANZHE, Yu.D.; MAGNITSKIY, V.A.; MESHCHERYAKOV, Yu.A.; BLAGOVOLIN, N.S.

Establishment of the Crimean geophysical polygon for the study of crustal subsurface geology and recent tectonic movements. Geofiz.biul. no.12:82-84 '62. (MIRA 16:5)
(Crimea—Geophysical research)

IZOTOV, A.A.

Concerning the geocentric latitude of a point in space. Geod. i kart. no.6:3-5 Je '64. (MIRA 17:9)

L 3743-66 EWT(1)/FS(v)-3/FSS-2 TT/GW

ACCESSION NR: AP5027649 CZ/0023/65/009/002/0201/0207

AUTHOR: Izotov, A. A.

TITLE: Determination of the shape and dimensions of the Earth from observations of artificial satellites [This paper was presented at the Symposium on the Determination of the Figure of the Earth, October 6 - 10, 1964, Prague]

SOURCE: Studia geophysica et geodaetica, v. 9, no. 2, 1965, 201-207

TOPIC TAGS: parameter, geodesy, artificial satellite observation, spaceborne earth observation, coordinate system

Abstract [Author's Russian summary, modified]: The article shows how equations permitting determination of the parameters of the general Earth ellipsoid and the elements of orientation of the reference ellipsoid relative to the center of mass and the principal axes of inertia of the Earth can be derived from rectangular three-dimensional coordinates, obtained from observations of artificial satellites, of the point of observation in a system of a certain reference ellipsoid and at a known height above sea level. Orig. art. has 22 formulas.

Card 1/2

L 3743-66
ACCESSION NR: AP5027649

ASSOCIATION: Moscow Engineering Institute of Geodesy, Photogrammetry and Cartography, Moscow

SUBMITTED: 06Oct64

ENCL: 00

SUB CODE: ES, MA

NO REF SOV: 002

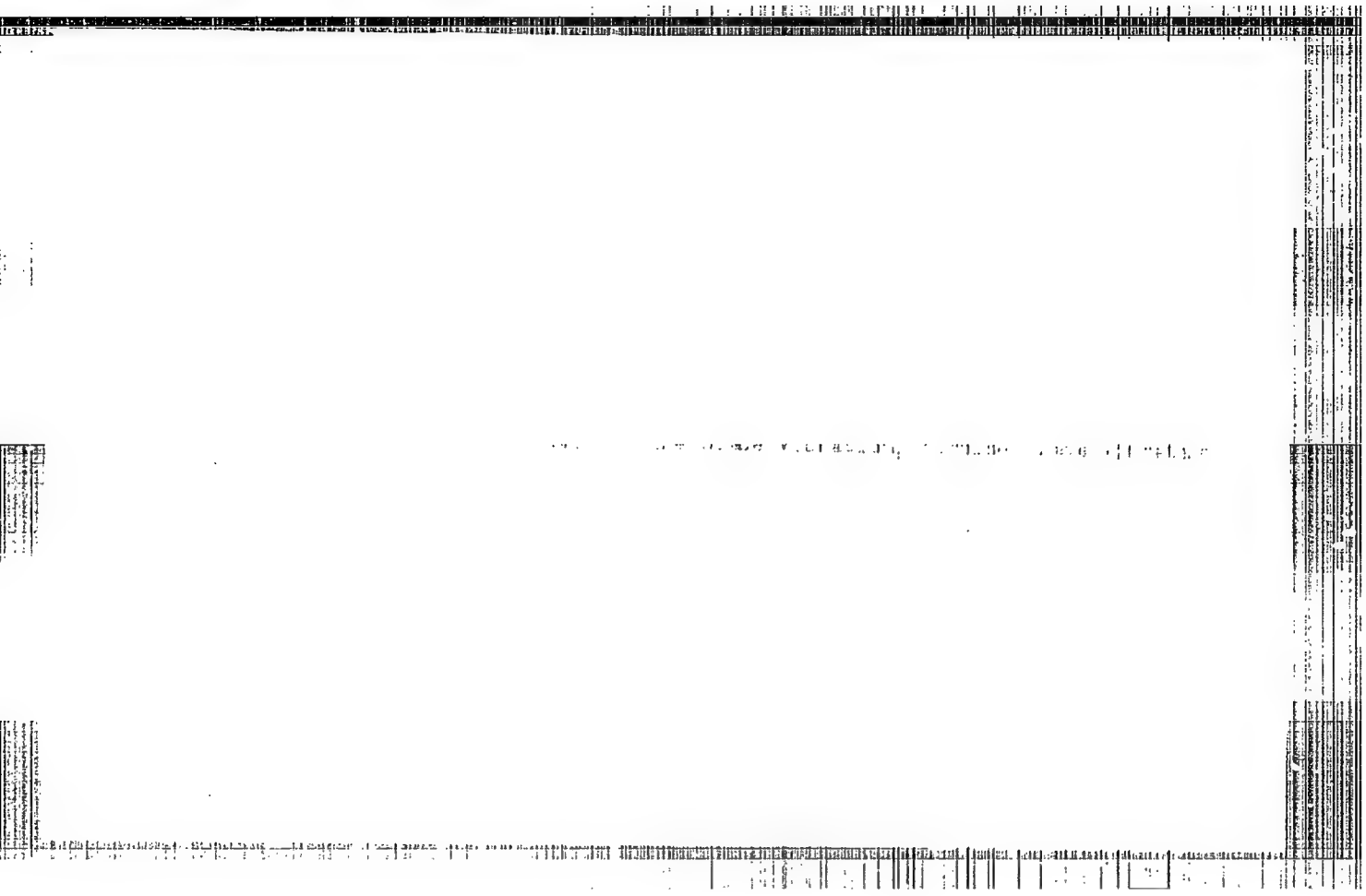
OTHER: 002

JPRS

Card 2/2

$$\zeta = \cos B \cos L\, dx + \cos B \sin L\, dy + \sin B\, dz - (1 - a_0 \sin^2 B)\, da + a_0 \sin^2 B\, da + \frac{1}{2} a_0 \cos^2 B \cos 2L\, dp + \frac{1}{2} a_0 \cos^2 B \sin 2L\, dq - \frac{1}{4} a_0 a_0 \sin 2B \cos L\, dm - \frac{1}{4} a_0 a_0 \sin 2B \sin L\, dn + \zeta_0 . \quad (1)$$

which expresses the general form of the equation of degree measurements and holds true for any method of determining the height of a quasi-geoid in a known system of geodetic coordinates. From a theoretical point of view it is possible to determine from a solution of equations of type Eq. (1) both the parameters of the earth ellipsoid and the elements of orientation of the reference ellipsoid relative to the center of mass and principal axes of inertia of the earth. For this purpose it is necessary to have the results of satellite observations at a sufficiently large number of points uniformly distributed over the entire earth. Since this requirement is practically impossible to fulfill, the determination of the elements of orientation of the reference ellipsoid relative to the center of mass and principal axes of inertia of the earth inevitably involves a study and use of the physicomechanical patterns of satellite motion in the earth's gravitational field. Thus, the problem of creating a world system of geodetic coordinates



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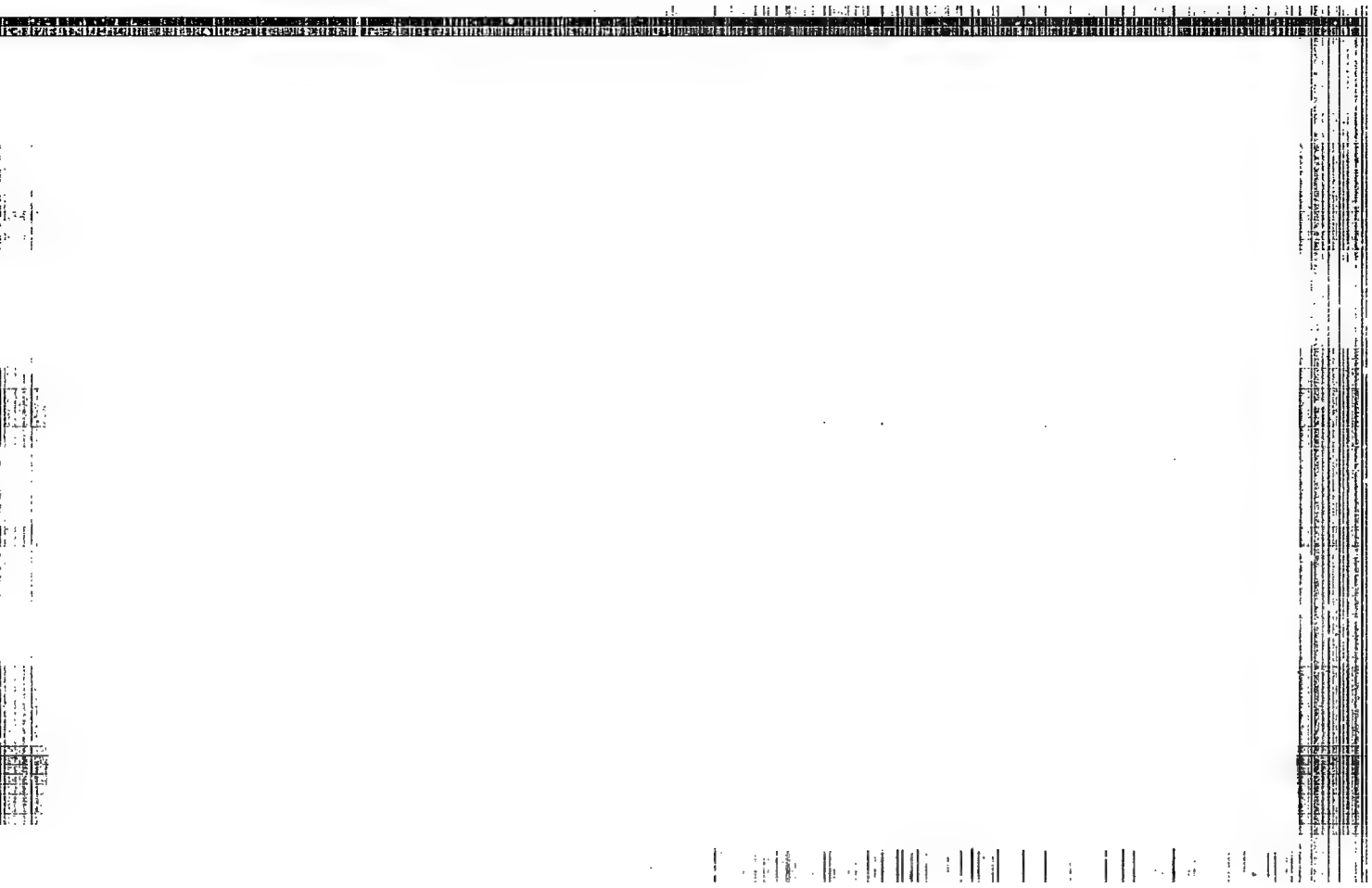

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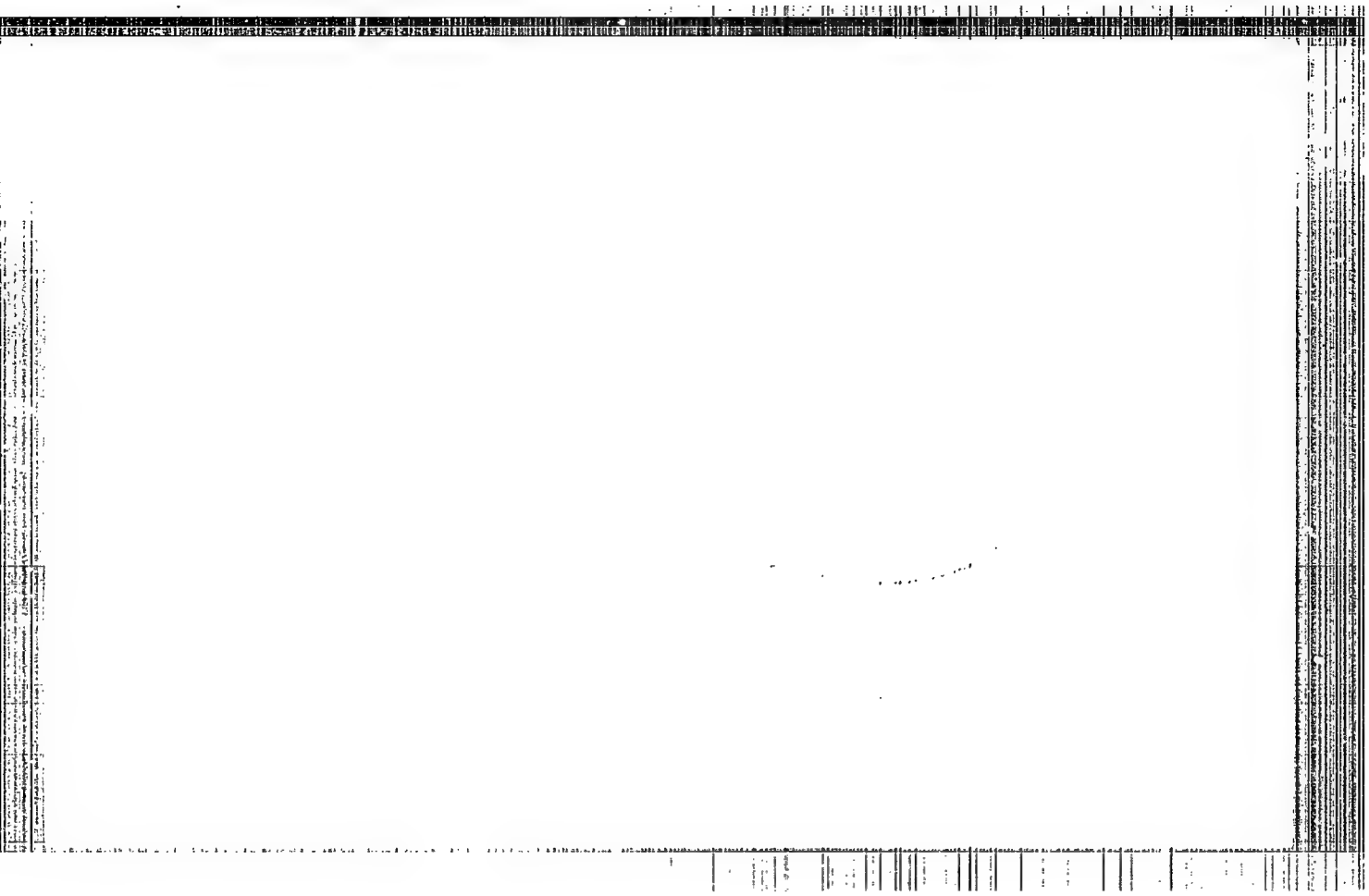
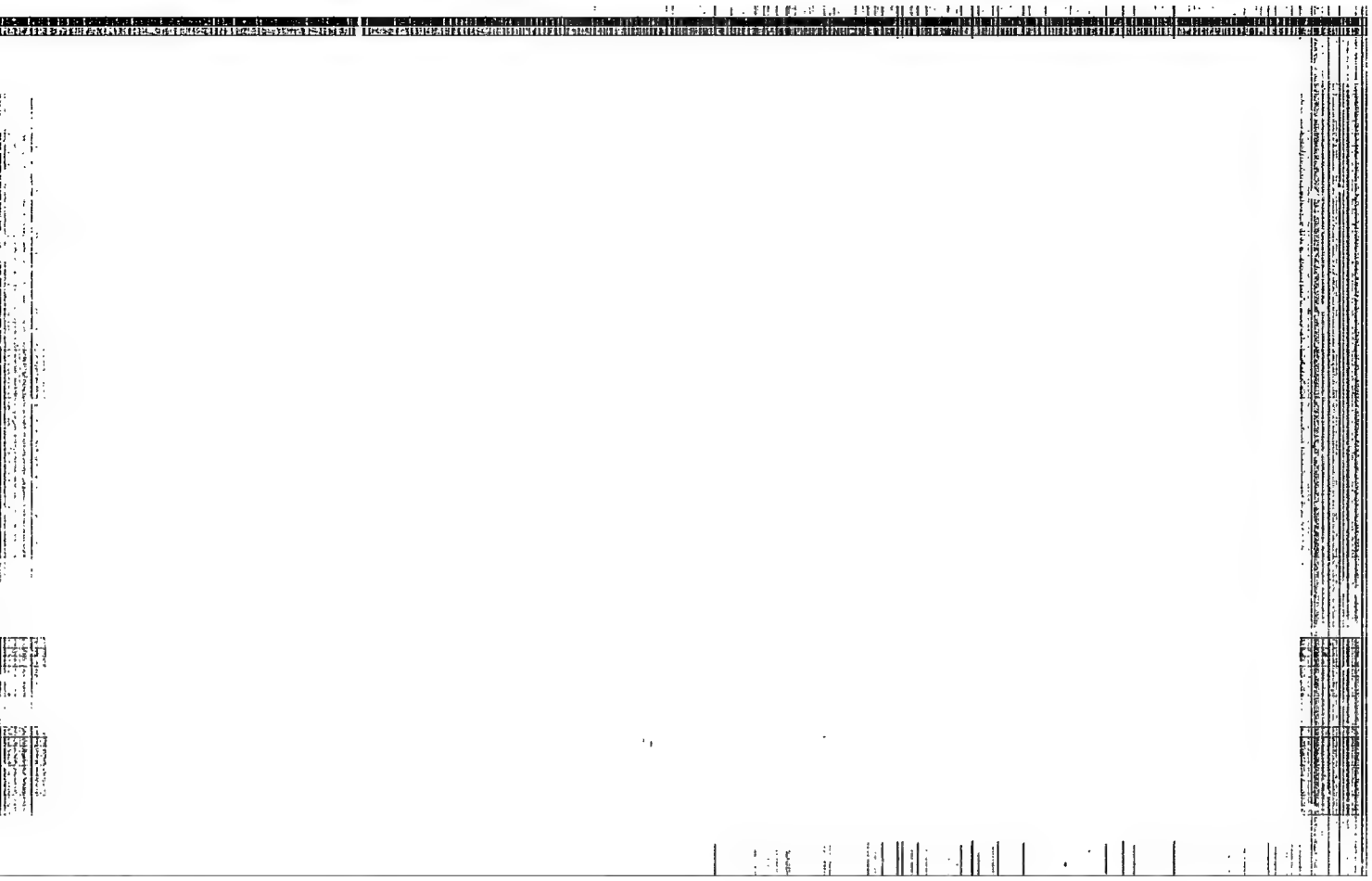




SKOBTSOV, Yevgeniy Aleksandrovich; IZOTOV, Anatoliy Dmitriyevich; TUZOV, Leonid Vasil'yevich; SELIVANOV, K.I., inzh., retsenzent; MISELEV, M.A., inzh., red.; ONISHCHENKO, R.N., red. izd-va; PETERSON, M.M., tekhn. red.

[Methods for reducing the vibration and noise of diesel engines] Metody snizheniia vibratsii i shuma dizelei. Moskva, Mashgiz, 1962. 191 p. (MIRA 15:12)
(Diesel engines) (Damping (Mechanics))

NAMESTNIKOV, A.F., kandidat tekhnicheskikh nauk; SABUROV, N.V., doktor tekhnicheskikh nauk professor, retsenzent; IZOTOV, A.K., inzhener, retsenzent; VASIL'YEVA, G.N., redaktor; GOTLIB, E.M., tekhnicheskiy redaktor.

[Technology of canning fruits and vegetables] Tekhnologiia konservirovaniia plodov i ovoshchei. Moskva, Pishchepromizdat, 1955. 127 p. (Canning and preserving) (MLRA 9:4)

IZOTOV, A.K.

Manufacture of fruit and berry juices with pulp in Czechoslovakia.
Kons. i ov. prom. 13 no.7:8-10 Jl '58. (MIRA 11:6)

1. Gosplan SSSR.

(Fruit juices) (Berries)

IZOTOV, A.K.

International conference on containers and packaging. Kons. i ov. prom. 13 no.4:48 Ap '58. (MIRA 11:4)
(Prague--Packaging--Congresses)

NAMESTNIKOV, Aleksandr Fedorovich; IZOTOV, A.K., inzh., tekhnolog, retsenzent; FUKS, V.K., red.; SATAROVA, A.M., tekhn. red.

[Preserved fruits and vegetables; innovation in assortment and technology] Plodoovoshchnye konservy; novoe v assortimente i tekhnologii. Moskva, Pishchepromizdat, 1961. 141 p. (MIRA 15:6)

(Canning and preserving)

FAN-YUNG, Aleksandr Froymovich, dots.; FLAUMENBAUM, Boris L'vovich, dots.; IZOTOV, Andrey Konstantinovich, dots.; ROGACHEV, V.I., kand. tekhn. nauk, retsenzent; KRUGLOVA, G.I., red.; SATAROVA, A.M., tekhn. red.

[Technology of fruit and vegetable preservation] Tekhnologiia konservirovaniia plodov i ovoshchei. izd.2., ispr. i dop. Moskva, Pishchepromizdat, 1961. 518 p. (MIRA 15:6)
(Canning and preserving)

ZOTOV, V.P.; SILUYANOV, V.G.; GUGINA, Yo.F.; AUERMAN, L.Ya.; ALEKHINA, M.S.; BEZZUBOV, A.D.; BODROV, V.A.; BUDNYY, A.V.; BURTSEV, Ye.L.; VAYNSHTEYN, V.O.; GAVRILOV, A.N.; GORBATOV, V.M.; GRITSENKO, N.N.; DOLGUSHEVA, L.I.; YEDYGENOV, K.Ye.; ZHURAVLEVA, S.S.; ZACHESKIN, Ya.A.; IVKIN, A.P.; IZOTOV, A.K.; IL'INSKIY, N.A.; IRINARKHOVA, A.M.; KARPENKO, A.K.; LYSOGOR, P.M.; LUPISH, A.T.; OLEYNIKOV, V.V.; ORANZHEREYEVA, V.F.; PETROV, N.A.; PYATIBRATOV, M.A.; ROMANOV, A.N.; RAUBE, P.V.; RYZHENKO, L.P.; SEMYKIN, A.A.; SHEFER, A.P.

G.IA.Ivanov; obituary. NTO 4 no.10:39 O '62. (MIRA 15:9)
(Ivanov, Georgii IAkovlevich, 1897-1962)

GRIBIN, P.P.; IZOTOV, A.V.; MUZYLEV, G.A.

Jigging coal without preliminary classification. Koks i khim. no.4: 3-7 '58. (MIRA 11:4)

1. Kombinat "Sakhalinugol'" (for Gribin, Izotov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut Ugleobogashcheniya (for Muzylev).
(Coal preparation)

IVOTOV, A.. /e

Tractors

Increasing the period of usefulness of the tractor KL-35.
MTS 12 No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1953, Uncl.

ARKHANGEL'SKIY, B.Ye., inzhener; BALAYEV, A.S., inzhener; SINKEVICH, G.A., inzhener; IZOTOV, A.E., inzhener, redaktor; KRYUKOV, V.L., redaktor; ORLOVA, V.V., tekhnicheskiy redaktor

[KD-35 tractor] Traktor KD-35. Pod red. A.E.Izotova. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1951. 576 p. (MLRA 10:9)
(Caterpillar tractors)

ARKHANGEL'SKIY, B.Ye., inzhener; BALAYEV, A.S., inzhener; SEMENOVICH, G.A., inzhener; IZOTOV, A.Ye., inzhener, redaktor; KRYUKOV, V.L., redaktor; FEDOTOVA, A.F., tekhnicheskiy redaktor

[The Tractors KD-35 and KDP-35] Traktory KD-35 i KDP-35. 3-e izd. Pod red. A.E.Izotova. Moskva, Gos. izd-vo selkhoz. lit-ry, 1954. 552 p. (MLRA 8:4)
(Caterpillar tractors)

IZOTOV, A.Ye.

Industry-wide conference of tractor builders. Trakt.i sel'-khozmash. 30 no.10:47 O '60. (MIRA 13:9)
(Tractor industry)

IZOTOV, A.Ye.

Improving the quality of manufactured machines. Trakt. i sel'khozmash. 31 no.11:2-3 N '61. (MIRA 14:12)
(Tractor industry)

IZOTOV, A.Ye.

Tractor industry in 1965. Trakt. i sel'khozmash. no.2:1-2 F '65.
(MIRA 18:4)

1. Glavnyy spetsialist Gosudarstvennogo komiteta avtotraktornogo i sel'skokhozyaystvennogo mashinostroyeniya.

GRATSIANSKIY, Mikhail Nikolayevich, dots., kand. tekhn. nauk;
ALEKSANDROVSKIY, Yuriy Vladimirovich, dots., kand. tekhn. nauk;
IZOTOV, B.S., dots., retsenzent; SUROV, I.Ye., inzh., retsenzent; BONDAR', F.I., inzh., retsenzent; SAMSONOVA, M.T., red.; VORONINA, R.K., tekhn. red.

[Hydrology and hydraulic structures] Gidrologiia i gidrotekhnicheskie sooruzheniia. Moskva, Gos. izd-vo "Vysshaia shkola," 1961. 351 p. (MIRA 15:3)

1. Kafedra gorodskogo stroitel'stva i khozyaystva Leningradskogo inzhenerno-stroitel'nogo instituta (for Izotov).
(Hydraulic engineering)

Izotov, G. Ye.: "Surfaces of a second-order [illegible] space." Min Higher Education USSR. Moscow Order of Labor Red Banner State U imeni V. I. Ul'yanov-Lenin. Moscow, 1956. (Dissertation for the Degree of Candidate in Physico-Mathematical Science)

So: Vechernaya Moskva No 27, 1956. Moscow. Pages 95-109; 111.

AUTHOR: Izotov,G. Ye. (Kazan') SOV/140-58-1-9/21

TITLE: Surfaces of Second Order in the Biplanar Space (Poverkhnosti vtorogo poryadka biplanarnogo prostranstva)

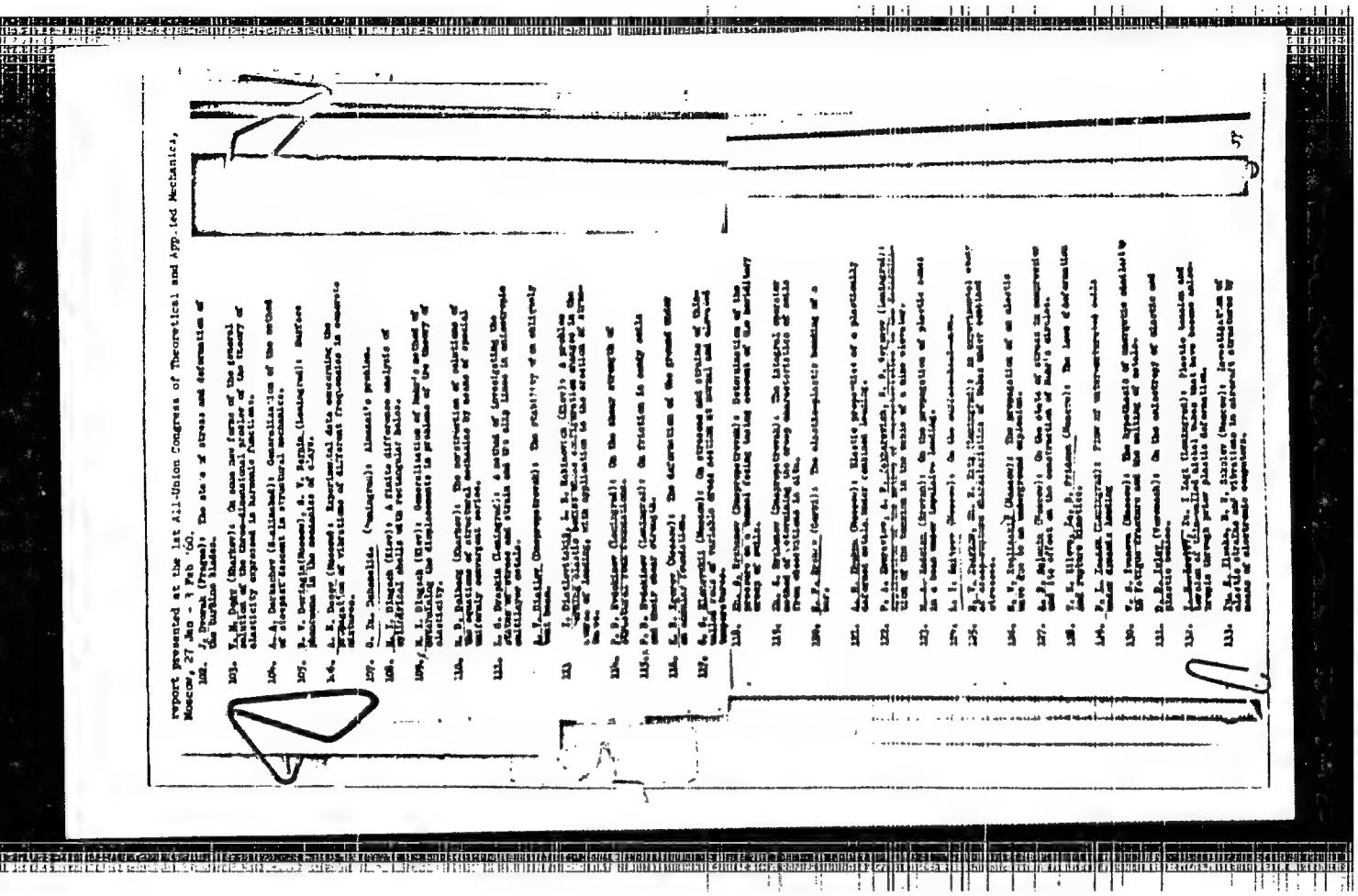
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy Ministerstva vysshego obrazovaniya SSSR, Matematika,1958,Nr 1, pp 89-102(USSR)

ABSTRACT: As a biplanar space B_{2n-1} a manifold of points is denoted, the fundamental transformation group of which is isomorphic to the subgroup of those projective transformations of the $(2n-1)$-dimensional projective space which let invariant two $(n-1)$-dimensional complex-conjugate planes which do not intersect. The contribution of the author is an abstract of his dissertation (Kazan',1955) and may be considered as a complement to the well-known results of Norden [Ref 2-5]. In a larger table the classification of the B_3 is given.

There are 10 references, 9 of which are Soviet, and 1 is Roumanian, and 2 tables.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet imeni V.I.Ul'yanova-Lenina (Kazan' State University imeni V.I. Ul'yanov-Lenin)

Card 1/2



188202
244200

25712
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B104/B201

AUTHORS: Izotov, I. N., and Yagn, Yu. I.

TITLE: Study of the plastic deformation of a metal with a deformation anisotropy produced by pre-stressing

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 139, no. 3, 1961, 576-579

TEXT: A study has been made of the development of plastic deformations in the initial stages of a second stressing of material relieved partly or completely from stress after a first plastic deformation. To determine a deformation due to stress it is necessary to examine the relationship between the vector $\overrightarrow{\delta\Im}$ of the increment of plastic deformation and the vector $\overrightarrow{\delta S}$ of the increment of stress as depending upon the antecedents. The geometric loci constructed according to the allowances of $\Delta\varepsilon_i$ ($\Delta\varepsilon_i$ being the intensity of increase of plastic deformation) are examined, and the possibility of their application for determining the directions of vectors $\overrightarrow{\delta\Im}$ are estimated. At the same time, the principles underlying the modulus of plastic deformability are studied, and a utilization of geometric loci of equal n values (h being the modulus of plastic deformability) is

Card 1/4

Study of the plastic deformation...

vectors $\delta\vec{\sigma}$ are determined with sufficient accuracy by the direction of the normals on the locus of equal $\Delta\varepsilon_i$. Deviations therefrom rise with increasing distance from the stress at which the first experiment was interrupted. 2) The geometric locus of all equal h is almost a circle, whose center is displaced with respect to the coordinate origin. The direction of this displacement is determined by the component of the first stress; the displacement value depends upon h. The radius R of this circle is not dependent upon the kind of the first stress; it is determined by h and the strain attained with the first stress. 3) The direction of $\delta\vec{\sigma}$ deviates systematically from the normals to the circle of equal h. This deviation (on average δ - 7°) is only little larger than the change of direction of vectors $\delta\vec{\sigma}$, which is caused by the character of the second stress, and can be neglected in most cases. 4) To calculate the expected plastic deformation with the aid of (1), it is sufficient to construct the family of circles of equal h with the aid of equations

$$\rho_\sigma = \frac{A}{h}\frac{e_0}{e_{i0}}, \quad \rho_{\sqrt{3}\tau} = \frac{A}{h}\frac{\tau_0}{\sqrt{3}e_{i0}}; \qquad (3)$$

$$h = ak\left[\frac{R+B}{\sigma_{i0}+B}D - B\right]^{k-1}. \qquad (4)$$

Card 3/4

IZOTOV, I.P.

Peridural'naia anesteziia v khirurgii, ginekologii i urologii (Peridural anaesthesia in surgery, gynecology and urology). Moskva, Medgiz, 1953. 90 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

IZOTOV, I.P.

Leiomyomas of the small intestine. Khirurgiia 34 no.9:110 S '58.
(MIRA 12:4)

(INTESTINES--TUMORS)

IZOIOV, I.P.

Leiomyomas of the small intestine. Khirurgiia 34 no.6:133 Je '58
(MIRA 11:8)

(INTESTINES, SMALL, neoplasms
leiomyoma (Rus))
(LEYOMYOMA, case reports
small intestine (Rus))

IZOTOV, I.P., kand. med. nauk (Moskva)

Ventral fixation of the cervix uteri in prolapse associated with the prolapse of the vaginal wall. Akush. i gin. 39 no.5: 132-134 S-O '63. (MIRA 17:8)

[illegible], [illegible]

The [illegible] [illegible] sta[illegible]n. Trakt. i sel'khozmash. no.5:37 My '6[illegible]. (MIRA 17:6)

1. Golovnoye konstruktorskoye [illegible] ovoshchevodcheskikh [illegible].

KRUT'KOV, A.F.; IZOTOV, I.S.

The OZG-120 sprayer for greenhouses. Trakt. i sel'khozmash. no.8: 30-31 Ag '64. (MIRA 17:11)

1. Golovnoye konstruktorskoye byuro po mekhanizatsii ovoshchevodstva.

TAKHTAYEV, Yu.B.; IVANOV, R.M.; LEONOV, A.F.; VARNAVSKIY, I.F.; IZOTOV, N.I.; MUSIKHINA, M.K.

Improved technology for the making of native alloy steel at the Orsk-Khalilovo Metallurgical Combine. [Sbor. trud.] Nauch.-issl.inst.met. no.4:82-90 '61. (MIRA 15:11)

1. Nauchno-issledovatel'skiy institut metallurgii (for Takhtayev, Ivanov). 2. Orsko-Khalilovskiy metallurgicheskiy kombinat (for Leonov, Varnavskiy, Izotov, Musikhina).
(Khalilovo--Steel--Metallurgy)

TAKHTAYEV, Yu.B.; IVANOV, R.M.; LEONOV, A.F.; VARNAVSKIY, I.N.; IZOTOV, N.I.; MUSIKHINA, M.K.

Improved technology for the making of native alloy steel at the Orsk-Khalilovo Metallurgical Combine. [Sbor. trud.] Nauch.-issl.inst.met. no.4:82-90 '61. (MIRA 15:11)

1. Nauchno-issledovatel'skiy institut metallurgii (for Takhtayev, Ivanov). 2. Orsko-Khalilovskiy metallurgicheskiy kombinat (for Leonov, Varnavskiy, Izotov, Musikhina).
(Khalilovo—Steel—Metallurgy)

AKATOV, S.K., inzhener; IKOTOV, N.N., inzhener; DUKOV, A.T., inzhener.

Effective mechanization of inter-plant loading and transporting opertaions.
Mekh.trud.rab. 7 no.10:14-16 O-N '53. (MLRA 6:10)
(Loading and unloading)

AKATOV, S.K.; IZOTOV, N.N.

Mechanization of labor-consuming work. Masl.-zhir.prom. 27 no.1: 34-35 Ja '61. (MIRA 14:1)

1. Leningradskiy mylovarennyy zavod imeni Karpova.
(Loading and unloading)

[Transactions of the] Conference on the Occasion of the 40th Anniversary of the Nizhniy-Novgorod Radio Laboratory imeni V. I. Lenin, 22-24 May at Gorkiy (Radiotekhnika, 13,8,71-9, 1958)

SOV/108-13-8-11/12

K. M. Kosikov reported in short on two important discoveries of M. A. Bonch-Bruyevich in the field of the propagation of radio waves (1932-1933).-
A. A. Pistolkors, B. A. Ostroumov, N. N. Izotov, and V. I. Ge spoke about the Tver' radio station as well as of the Nizhniy-Novgorod Radio Laboratory.
The participants in the conference visited the laboratory establishments of the NIRFI at Gor'kiy State University where they became acquainted with the observations made according to the program of the International Geophysical Year.
Aboard the motor ship "Ukraina" by which the participants in the conference sailed to Gor'kiy a readers' conference of the periodical "Radiotekhnika" was held. It was arranged by the Chief Editor M. R. Reznikov and the First Editor R.D.Mel'nikovskaya. M. R. Reznikov spoke about the activity of the editorial staff. Ya. M. Sorin (Moskow) stressed the fact that the periodical supplies only little information on the problems turning up in industry. I. M. Kogan (Moskow) was of opinion that more articles concerning applied theory should be dealt with. A. V. Bogdanov (Leningrad) suggested to publish a special

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TSAREGORODTSEV, P.P.; IZOTOV, N.P.; TISHKOV, Yu.Ya.

Reduction of idle periods in the maintenance of hearths. Metallurg 9 no.11:15 N '64. (MIRA 18:2)

VAN'AVSKIY, I.N., inzh.; IZOTOV, N.P., inzh.; LUSHNIKOVA, M.K., inzh.; AVERIYANOV, V.A., inzh.; DOLOTOV, O.P., inzh.

Duplex process of steelmaking from naturally alloyed chromium-nickel iron. Stal' 20 no.6:496-500 Je '60. (MIRA 14:2)

1. Orsko-Khalilovskiy metallurgicheskiy kombinat.
(Steel--Metallurgy)

LEONOV, A.F.; MOROZOV, A.N.; IVANOV, R.M.; VARNAVSKIY, I.N.;
TAKHTAYEV, Yu.B.; IZOTOV, N.P.; VOLKOV, S.S.

Smelting of native-alloy steel. Metallurg 6 no.10:20-21
O '61. (MIRA 14:9)

1. Orsko-Khalilovskiy metallurgicheskiy kombinat i
Chelyabinskiy nauchno-issledovatel'skiy institut metallurgi.
(Steel alloys—Metallurgy)

SHUMAKOV, L.G., inzh.; VARNAVSKIY, I.N., inzh.; IZOTOV, N.F., inzh.; VOLKOV, S.S., inzh.

Conversion of low-carbon, high-temperature molten metal in open hearth furnaces. Stal' 22 no.1:37 Ja '62. (MIRA 14:12)

1. Orsko-Khalilovskiy metallurgicheskiy kombinat.
(Steel--Metallurgy)

VARNAVSKIY, I.N.; KAMYSHEV, G.N.; IZOTOV, N.P.; BOLOTOV, O.P.

Increasing the output and improving the durability of converter linings. Metallurg 8 no.9:26-27 S '63. (MIRA 16:10)

1. Orsko-Khalilovskiy metallurgicheskiy kombinat.
(Bessemer process)
(Converters--Design and construction)

ESKIN, V.A.; KRAMINSKAYA, N.N.; BERKUT, Yu. V.; IRLIN, Sh. P.; IZOTOV, P.V.

Epidemiology and clinical characteristics of Ussuri leptospirosis. Zhur. mikrobiol. epid. i immun. 29 no.8:54-60 Ag '58. (MIRA 11:10)
(LEPTOSPIROSIS,
ussuri, epidemiol. in Russia & clin. aspects (Rus))

ESKIN, V.A.; KRYMINSKAYA, N.N.; IZOTOV, P.V.; SOLDATOV, G.M.

Leptospirosis in muskrats in the Maritime Territory. Soob.DVFAN SSSR no.11:159-161 '59. (MIRA 13:11)

1. 73-ya virusologicheskaya laboratoriya Dal'nevostochnoy oblasti.
(Maritime Territory--Muskrats--Diseases and pests)
(Leptospira)

IZOTOV, S.I.

Modified tachometer drive for the MT-530-L scutching machine. Obm. tekh. opyt. [MLP] no.4:15-16 '56. (MIRA 11:10)
(Tachometer) (Textile machinery)

IZOTOV, S.I.

Switching the blocking contacts of the 10$ kv.-a. generator automatic controller into the rheostat circuit. Obm. tekh. opyt. [MLP] no.4:29-30 '56. (MIRA 11:10)

(Electric controllers) (Electric generators)

IZOTOV, S.I.

Instruction No.130-56 must be supplemented. Izv.tekh. no.2:61 F '60. (MIRA 13:6)
(Mensuration)

IZOTOV, S.I.

Device for checking the parallelism of measuring surfaces of flat micrometers. Izm.tekh. no.2:21-22 F '63. (MIRA 16:2)
(Micrometer—Testing)

MAKAROV, L.L.; VIASOV, Yu.G.; IZOTOV, V.I. (Leningrad)

Thermodynamic investigation of the system RbBr - RbCl - H_2O at 25 and 45°C. Zhur. fiz. khim. 38 no.10:2403-2407 O '64. (MIRA 18:2)

1. Leningradskiy gosudarstvennyy universitet.

IZOTOV, V.K., BAROYAN, O.V.

Fluorescence microscopic and electrophoretic indication of tick borne encephalitis virus; preliminary communications [with summary in English]. Vop.virus 3 no.4:217-220 Jl-Ag '58 (MIRA 11:9)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(ENCEPHALITIS, EPIDEMIC, virus
Russian tick-borne, electrophoresis & luminescence microscopy (Rus))

IZOTOV, V.F., Cand Med Sci -- (diss) "Study of viral suspensions by the method of zonal electrophoresis on paper in combination with luminescence." Mos, 1959, 10 pp (Acad Med Sci USSR) 200 copies (KL, 36-59, 119)

LEVKOVICH, Ye.N.; IZOTOV, V.K.

Hemagglutination with the virus of tick-borne encephalitis. Vop. virus 6 no.4:428-431 Jl-Ag '61. (MIRA 14:11)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(ENCEPHALITIS) (BLOOD--AGGLUTINATION)

CHUMAKOV, M.P.; L'VOV, D.K.; SARMANOVA, Ye.S.; GOL'DFARB, L.G.; NAYDICH, G.N.; CHUMAK, N.F.; VIL'NER, L.M.; ZASUKHINA, G.D.; IZOTOV, V.K.; ZAKLINSKAYA, V.A.; UMANSKIY, K.G.

Comparative study of the epidemiological effectiveness of vaccinations with tissue culture and brain vaccines against tick-borne encephalitis. Vop. virus. 8 no.3:307-315 My-Je'63. (MIRA 16:10)

1. Institut poliomyelita i virusnykh entsefalitov AMN SSSR, Moskva i Kemerovskaya oblastnaya sanitarno-epidemiologicheskaya stantsiya.

(ENCEPHALITIS—PREVENTIVE INOCULATION)

IZOTOV, V.K.; LAZAREV, A.F.

Stimulating effect of the somatotropic hormone on immunization with tick-borne encephalitis virus. Vop. virus. 10 no.3:280-282 My-Je '65. (MIRA 18:7)

1. Institut poliomiyelita i virusnykh entsefalitov AMN SSSR i Vsesoyuznyy institut eksperimental'noy endokrinologii, Moskva.

LAZAREV, A.F.; [illegible], V.K.

Effect of antiserum to the growth hormone on Crocker's sarcoma. Biul. eksp. biol. i med. 60 no.9:99-101 S '65.
(MIRA 18:10)

1. Institut poliomiyelita i virusnykh entsefalitov AMN SSSR, Moskva.

SAMOKHINA, Ye.S.; IZOTOV, V.K.; PIVANOVA, G.P.; RAKOVA, G.G.; BUCHKOVA, M.V.

Hemagglutinating characteristics of Kemerovo virus. Vop. virus. 10 no. 6:663-669 N-D '65 (MIRA 19:1)

1. Institut poliomiyelita i virusnykh entsefalitov AMN SSSR, Moskva. Submitted September 7, 1964.

L 25987-66

ACC NR: AP6016098

fluid of virus-infected chick embryos displayed hemagglutinating activity for from 14 to 40 hours following infection. Hemagglutinating activity was also detected in the cultural medium of infected chick embryo tissue and continuous swine embryo kidney cultures. The hemagglutination titers of allantoic fluid were 1:128 to 1:2,048. The specificity of the hemagglutination reaction was proved by hemagglutination-inhibition reaction with sera of guinea pigs immunized with Kemerovo virus. (To eliminate nonspecific inhibitors, the sera were treated with a 25% kaolin suspension.) Thus it can be definitely established that the investigated strains of Kemerovo virus are closely interrelated and similar from the antigenic standpoint. Orig. art. has: 7 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 07Sep64 / ORIG REF: 002 / OTH REF: 001

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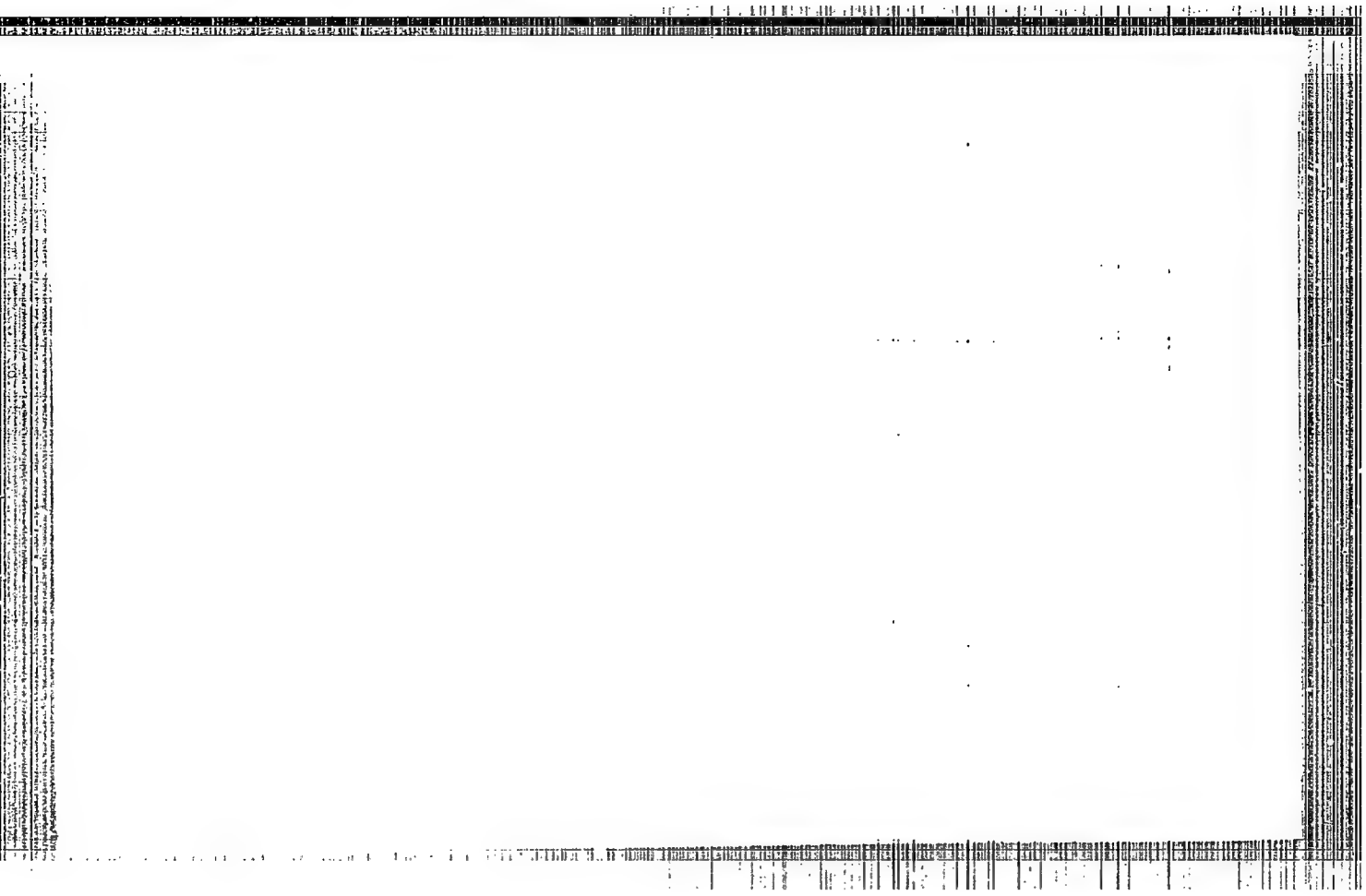

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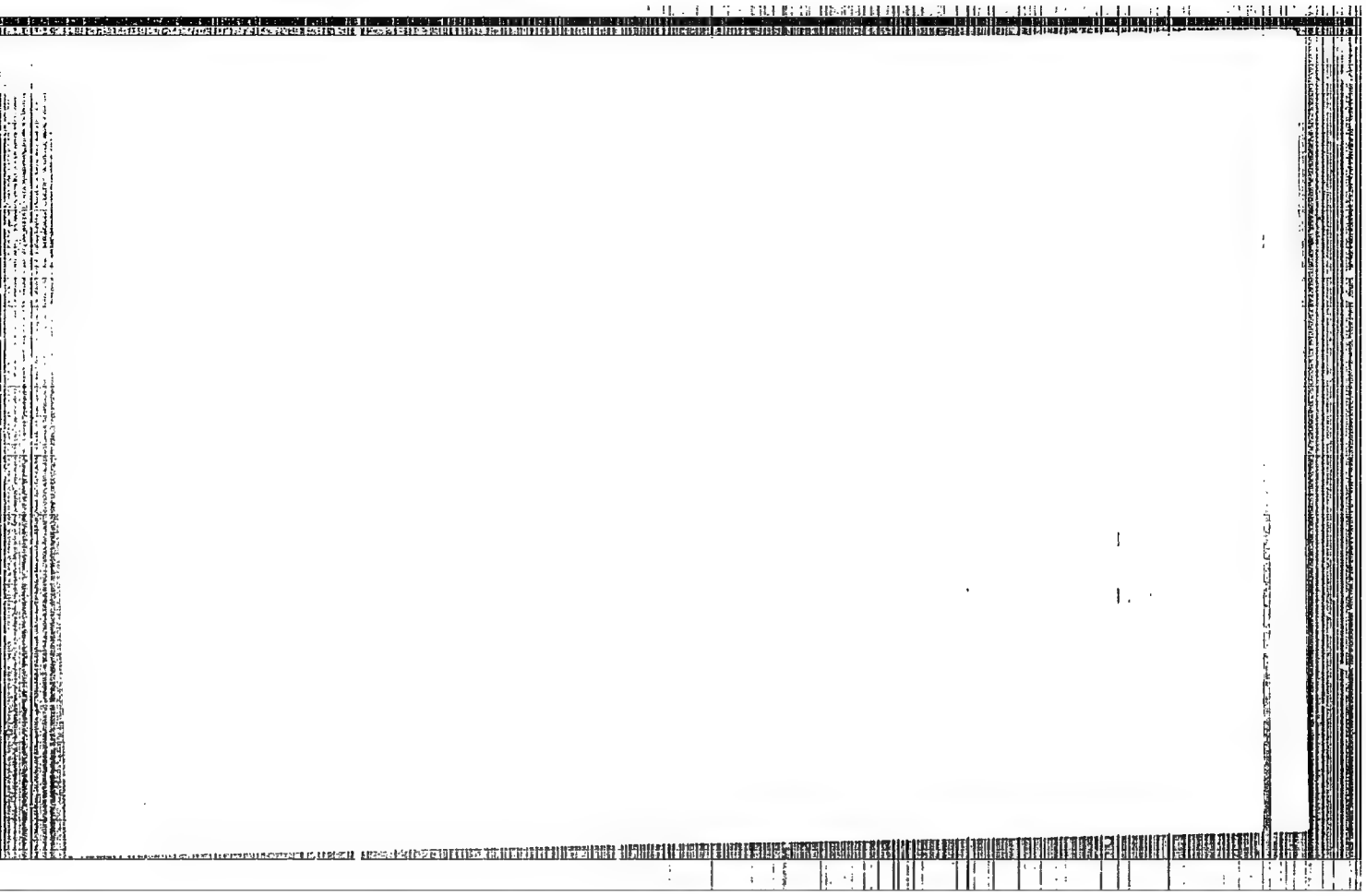

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18.3100 1087, 1208, 1454

S/136/61/000/005/004/008
E111/E152

AUTHORS: Goroshenko, Ya.G., Panasenko, Ye.B., Roy, V.A., and Izotov, V.P.

TITLE: Production of caesium carbonate from pollucite-spodumene concentrate

PERIODICAL: Tsvetnyye metally, 1961, No.5, pp. 55-57

TEXT: A possible source of caesium salts are pollucite-spodumene concentrates. The object of the present investigation was to study the possibilities of producing caesium carbonate in this way with lithium as a by-product. Experiments were first made in which pollucite, spodumene and their mixtures were treated in a 20-litre autoclave. For pollucite leaching the best conditions were: 3 mols $Ca(OH)_2$ per mol SiO_2, solid:liquid ratio 1:5, temperature 220 °C, pressure 20 atm; but the stirring rate of 25 rev/min was insufficient and a horizontal ball-loaded rotating autoclave would have been preferable. Spodumene had to be converted to the beta form by roasting before leaching. Artificial concentrate was produced by mixing pollucite with alpha-spodumene (2:1) and calcining at 1000 °C and leaching with a higher stirring

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33648

S/051/62/012/001/017/020
E075/E436

24.3500 (1137, 1138, 1144)

AUTHORS: Kolomoytsev, F.I., Izotov, V.P., Stauer, E.V.

TITLE: Luminescence of phosphorescent powders in electrical field

PERIODICAL: Optika i spektroskopiya, v.12, no.1, 1962, 127-129

TEXT: The authors investigated the causes of light emission in luminescent powders. Observations were made of light emission under the action of electrical field from self-activated zinc sulphide, zinc and cadmium sulphides activated with silver or copper, zinc silicate, mixed zinc and beryllium silicates, calcium and manganese tungstates, calcium and cadmium halophosphates, manganese arsenate, natural calcites, fluorites and other materials. Some of these compounds shine without any preparation but some of them begin to emit light only after treatment with solutions of various salts (e.g. Na_2SiO_3). The concentration of the added salt was of the order of 1×10^{-3} salt/g of powder. When the tension across a condenser filled with a phosphorescent powder is increased, the powder begins to shine, the process becoming more intense with further increases in tension. Periods of time from fractions of second to several minutes are necessary for the

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S/051/62/012/001/017/020
E075/E436

Luminescence of phosphorescent ...

electrodes arises both at the positive and negative electrodes, the authors conclude that the observed luminescence is anodo- and/or cathodoluminescence. There are 2 figures and 10 references: 3 Soviet-bloc and 7 non-Soviet-bloc. The four most recent references to English language publications read as follows: Ref.3: G. Destriau, H.F.Ivey. Proc. IRE, v.43, 1955, 1911; Ref.6: G. Wendell. Ann. Phys., v.12, 1953, 222; Ref.7: J.N.Bowtell, H.C.Bate. Proc. IRE, v.44, 1956, 697; Ref.8: H.C.Bate, J.N.Bowtell. Brit. Pat. 788 659, 8.01.58; 800 581, 27.08.58.

SUBMITTED: July 3, 1961

Card 3/3

IZOTOV, V.V.

Increasing the life of tunnel kilns. Stek. i ker. 21 no.9: 37-38 S '64. (MIRA 18:4)

IZOTOV, Ye.F., inzh.

Investigating the process of wear of safety friction clutches.
[Nauch.trudy] ENIEMASha 2:3-27 '60. (MIRA 14:1)
(Clutches (Machinery)) (Mechanical wear)

IZOTOV, Ye.N.

Calcualating the stabilized temperature of clutch heating on crankshaft presses. Kuz. shtam. proizv. 2 no.12:17-20 D '60. (MIRA 14:3)

(Power presses)

IZOTOV, Ye.N.; ROZENBLAT, M.M.; SOKOV, V.I.

Friction clutches used as safety devices. Kuz.-shtam. proizv. 3 no. 2:25-28 F '61. (MIRA 14:1)
(Power presses--Safety appliances)
(Clutches (Machinery))

MARKOVICH, B.N., kand. tekhn. nauk; IZOTOV, Ye.N., inzh.

Dynamics of a hydropneumatic safety device. [Nauch. trudy] ENIKMASha 8:3-17 '64. (MIRA 18:3)

IZOTOV, Ye.N.,

Connector-rod conveyor feed and pneumatic stapling device in cutting out parts from thin coiled material. [Nauch. trudy] (MIRA 18:3)
EKiKMAshA 8:86-90 '64.

IZOTOVA, A. A.

"Realating to Echinococci of the Liver (From Data of the Medical Installations of the City of Stavropol and the Department of Surgery of the City Hospital at Pyatigorsk)." Cand Med Sci, Stavropol State Medical Inst, Leningrad, 1953. (RZhBiol, No 3, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

EXCERPTA MEDICA Sec 7 Vol 13/1 Pediatrics Jan 59

268. PRIMARY MULTILOCULAR ECHINOCOCCAL CYSTS IN THE LIVER OF AN 8-YEAR-OLD CHILD (Russian text) - Izotova A. A. - VRAC. DELO 1957, 1 (83-86)

Among 246 patients with liver echinococcosis, multilocular cysts were found in 22, and 34 had associated lesions of liver and other organs. A case of multilocular cysts in the liver of a boy aged 8 yr. is described more circumstantially; during the surgical intervention more than 13 cysts were dissected and removed. The postoperative period was uneventful.

(S)

Surgery Dept, Pyatigorsk Hospital

GILEVICH, Yu.S., prof.; IZOTOVA, A.I., kand. med. nauk; SHMAT'KO, I.G.; YEVSTAF'YEVA, T.N.; SHAIYGINA, T.P., student

Diagnostic importance of Casoni's intracutaneous allergic reaction in echinococcosis. Uch. zap. Stavr. gos. med. inst. 8:165-171 '63 (MIRA 17:7)

1. Kafedra obshchey khirurgii (zav. - prof. Yu.S.Gilevich) Stavropol'skogo meditsinskogo instituta (rektor zasluzhennyy deyatel' nauki, prof. V.G. Radylin).

IZOTOVA, A.A., kand. med. nauk

Rupture of echinococcal cysts of the liver into the bladder and the bile ducts. Uch. zap. Stavr. gos. med. inst. 8:219-221 '63 (MIRA 17:7)

1. Khirurgicheskoye otdeleniye (zav. otdelom - zasluzhennyy vrach RSFSR I.I. Toshinskiy) Pyatigorskoy gorodskoy bol'nitsy (glavnyy vrach A.S. Partigulov).

IZOTOVA, A.F.

Floods from light rainfalls and their significance in the feeding of small bodies of water in the Karelian Isthmus. Trudy Lab. ozeroved. 11:92-99 '60. (MIRA 14:8)
(Krasnoye Lake region—Runoff)

IZOTOVA, A.F.

Evaporation and turbulent heat exchange in the northwestern part of Lake Ladoga. Trudy Lab. ozeroved. 12:60-78 '61. (MIRA 15:3)

(Ladoga, Lake--Evaporation)

S/020/61/136/003/014/027
B019/B056

AUTHORS: Izotova, A. F., Ogneva, T. A., and Smirnova, N. P.

TITLE: The Wind Profile in the Water-near Layer Above Lake Ladoga

PERIODICAL: Doklady Akademii nauk SSSR, 1961, Vol. 136, No. 3, pp. 587-590

TEXT: From July 7 to August 16, 1959, the vertical wind velocity profile above lake Ladoga, and its dependence upon the stratification temperature was studied, and also the roughness of the wind was determined. The observations were carried out by means of a remote anemometer with electric contact which had been designed at the Glavnaya geofizicheskaya observatoriya im. A. I. Voyeykova (Geophysical Main Observatory imeni A. I. Voyeykov). These anemometers were installed on a mast on the south side of the island Khankhipasi in altitudes of 6.15, 3.15, 1.65 and 0.75 m reckoned from the mast fundament. From the tape recordings the values averaged for one hour were used for the analysis. These analyses were carried out in consideration of the direction of the wind with and

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without taking the thermal stratification into account. The latter was carried out with a temperature difference of ΔT between water and air. The small size of the island warranted conditions that were not influenced by land, as a comparison of the temperature measurements carried out on the island Khankhipasi and near it shows. In Table 1 the mean values of the vertical wind velocity profile and of the roughness parameter with and without taking the thermal stratification into account, were given. There are 3 figures, 1 table, and 7 references: 5 Soviet, 1 German, and 1 British.

ASSOCIATION: Laboratoriya Ozerovedeniya Akademii nauk SSSR (Laboratory of Lake Science of the Academy of Sciences, USSR)

PRESENTED: June 18, 1960, by D. V. Nalivkin, Academician

SUBMITTED: June 16, 1960

S/020/61/136/003/014/027
B019/B056

Legend to Table 1: I) Direction of wind. I1) Southeast - south-south-east - south - south-south-west - southwest. I2) West-northwest - east-southeast - east - east-northeast. I3) Northwest - north-north-west - north - north-northeast - northeast. II) Without taking the thermal stratification into account. III) Group I. a) Altitude in meters. b) Measured value. c) Roughness. IV), V), VI) Groups II, III, and IV. VII) Mean value of roughness. The measured values of group I correspond to wind conditions at which, at a height of 0.75 m above the fundament of the mast, there is a wind velocity of up to 2.1 m/sec. Under analogous conditions the wind velocity of group II is 2.1 - 3.9 m/sec, that of group III 4.0 - 5.9 m/sec, while the wind velocity of group IV amounts to more than 6 m/sec.

Card 4/4

IZOTOVA, A.F.

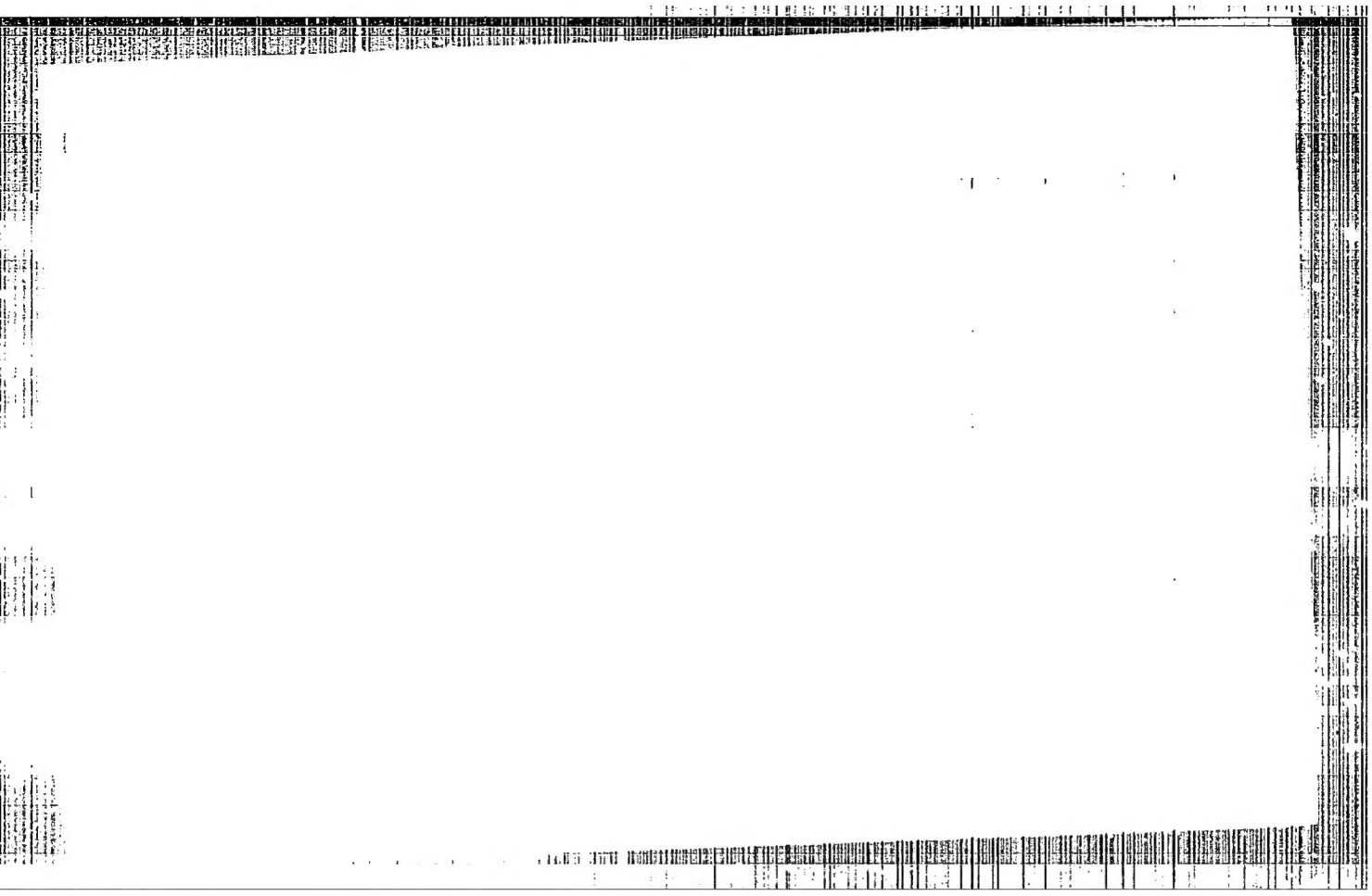
Evaporation from the open surface of Lake Ladoga. Dokl. AN SSSR 146 no.5:1143-1146 O '62. (MIRA 15:10)

1. Predstavleno akademikom D.V.Nalivkinym.
(Lagoda, Lake--Evaporation)

KIRSANINA, Ye.F.; VOLKOVA, V.A.; ZOTOVA, A.N.

Effect of trace elements on the development of [illegible]
in the meadow Chernozem soils of the Gorno-Altai Autonomous
Province. Izv. Alt. otd. Geog. ob-va SSSR no.5:141 '65.
(MIRA 18:12)

1. Gorno-Altayskiy pedagogicheskiy institut.



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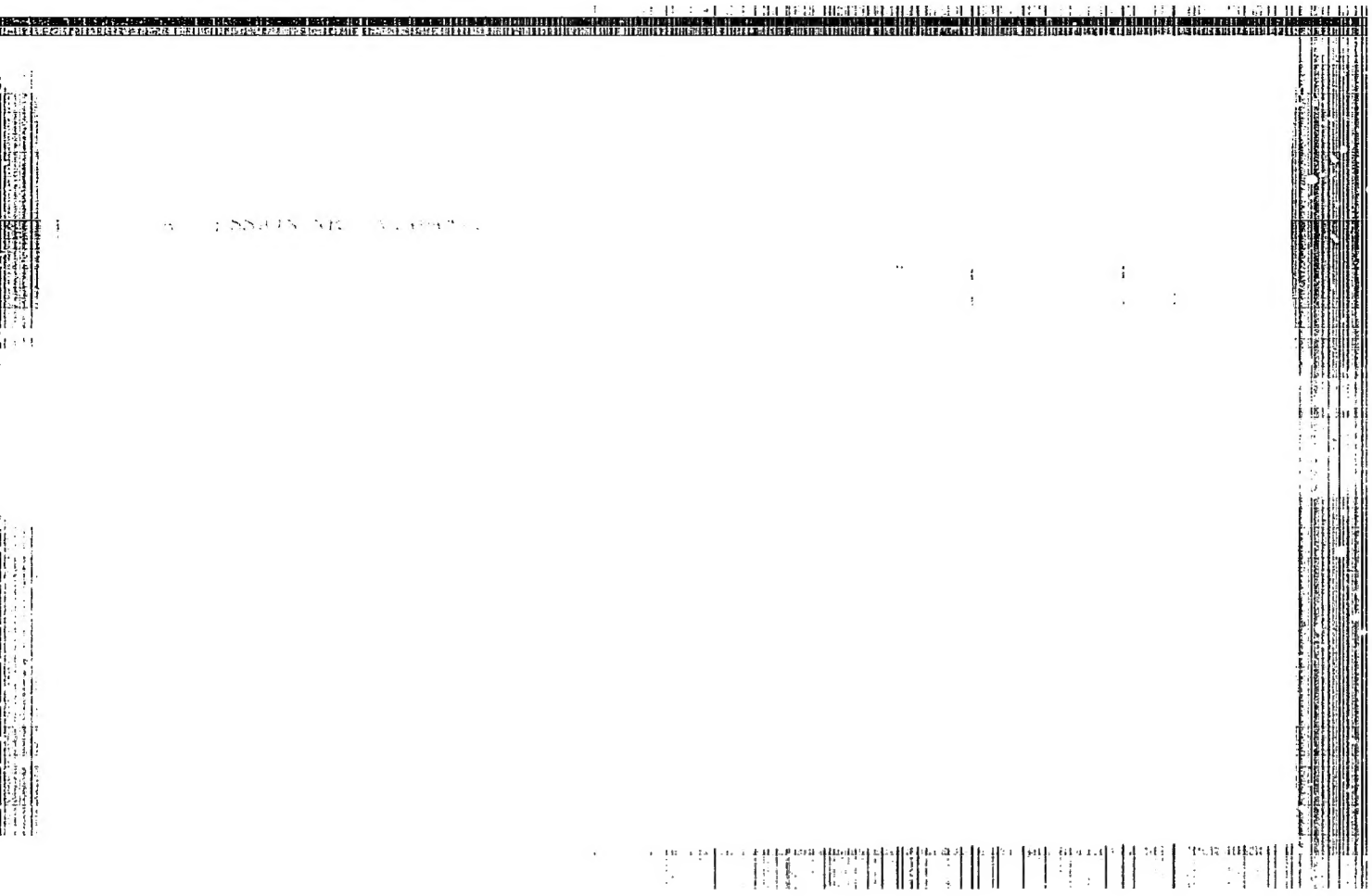

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BOGDANOVA, V.V.; IZOTOVA, I.T.

Physicogeographical characteristics of Eastern Litsa and Kharlovka Rivers. Vodnoenerg.res.Kol'.poluos. no.1:5-40 '58. (MIRA 12:3)
(Eastern Litsa Valley--Physical geography)
(Kharlovka Valley--Physical geography)